

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 12812389

Catalog # : 00236OT3E56-S

Frame : 56H  
Output : 2 HP (1.5 kW)  
Poles : 2  
Frequency : 60 Hz  
Rated voltage : 230/460 V  
Rated current : 4.84/2.42 A  
L. R. Amperes : 43.1/21.5 A  
LRC : 8.9x(Code K)  
No load current : 1.83/0.917 A  
Rated speed : 3510 rpm  
Slip : 2.50 %  
Rated torque : 2.99 ft.lb  
Locked rotor torque : 220 %  
Breakdown torque : 330 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 0.1151 sq.ft.lb  
Design : A

Locked rotor time : 25s (cold) 14s (hot)  
Temperature rise : 80 K  
Duty cycle : Cont.(S1)  
Ambient temperature : -20°C to +40°C  
Altitude : 1000 m.a.s.l.  
Cooling method : IC01 - ODP  
Mounting : F-1  
Rotation<sup>1</sup> : Both (CW and CCW)  
Noise level<sup>2</sup> : 62.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 35.7 lb

Output	25%		50%		75%		100%	
Efficiency (%)	83.7	86.3	84.0	85.0	85.5	85.1	85.5	83.4
	84.7		84.3		85.5		84.7	
Power Factor	0.49	0.56	0.77	0.83	0.86	0.90	0.91	0.93
	0.49		0.77		0.87		0.91	

Foundation loads  
Max. traction : 92 lb  
Max. compression : 127 lb

	Drive end	Non drive end
Bearing type	: 6204 ZZ	: 6202 ZZ
Sealing	: Without Bearing Seal	: Without Bearing Seal
Lubrication interval	: -	: -
Lubricant amount	: -	: -
Lubricant type	: Mobil Polyrex EM	

Notes:

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.
- (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 1 / 1		
Checked by				
Date	27/03/2024			
		Revision		